

G. Helmer



RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/700,113

DATE: 07/02/2002
TIME: 13:49:20

Input Set : N:\Crf3\RULE60\09700113.raw
Output Set: N:\CRF3\07022002\I700113.raw

SEQUENCE LISTING

- 3 (1) GENERAL INFORMATION:
 - 5 (i) APPLICANT: Ding, Shou-wei
 - 7 (ii) TITLE OF INVENTION: DISEASE RESISTANT TRANSGENIC PLANTS
 - 9 (iii) NUMBER OF SEQUENCES: 4
 - 11 (iv) CORRESPONDENCE ADDRESS:
 - 12 (A) ADDRESSEE: Rothwell, Figg, Ernst & Kurz
 - 13 (B) STREET: 555 Thirteenth Street, N.W., Suite 701 East
 - 14 (C) CITY: Washington
 - 15 (D) STATE: DC
 - 16 (E) COUNTRY: USA
 - 17 (F) ZIP: 20004
 - 19 (v) COMPUTER READABLE FORM:
 - 20 (A) MEDIUM TYPE: Floppy disk
 - 21 (B) COMPUTER: IBM PC compatible
 - 22 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - 23 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 - 25 (vi) CURRENT APPLICATION DATA:
 - 26 (A) APPLICATION NUMBER: US/09/700,113
 - 27 (B) FILING DATE: 16-Feb-2001
 - 28 (C) CLASSIFICATION:
 - 30 (vii) PRIOR APPLICATION DATA:
 - 32 (A) APPLICATION NUMBER: US/09/153,241
 - 33 (B) FILING DATE: 15-SEP-1998
 - 35 (A) APPLICATION NUMBER: WO PCT/SG98/00035
 - 36 (B) FILING DATE: 12-MAY-1998
 - 38 (viii) ATTORNEY/AGENT INFORMATION:
 - 39 (A) NAME: Figg, Edward A.
 - 40 (B) REGISTRATION NUMBER: 27,195
 - 41 (C) REFERENCE/DOCKET NUMBER: 2248-108
 - 43 (ix) TELECOMMUNICATION INFORMATION:
 - 44 (A) TELEPHONE: 202-783-6040
 - 45 (B) TELEFAX: 202-783-6031
- 48 (2) INFORMATION FOR SEQ ID NO: 1:
 - 50 (i) SEQUENCE CHARACTERISTICS:
 - 51 (A) LENGTH: 328 base pairs
 - 52 (B) TYPE: nucleic acid
 - 53 (C) STRANDEDNESS: double
 - 54 (D) TOPOLOGY: linear
 - 56 (ii) MOLECULE TYPE: DNA (genomic)
 - 58 (iii) HYPOTHETICAL: NO
 - 60 (iv) ANTI-SENSE: NO
 - 62 (vi) ORIGINAL SOURCE:

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63 (A) ORGANISM: Tomato aspermy virus
 65 (vii) IMMEDIATE SOURCE:
 66 (B) CLONE: pTMV-30B
 70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 72 ACCGTTAACAGA AGAAGAAGAA TGGCAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA 60
 74 GTTGGAACCGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA 120
 76 GGAGCGGGGT CACAAAAGTC CAAGTGAACA AAGGCGATCG GAGTTATGGC ACGCGCGTCA 180
 78 AGTTGAACCTT TCTGCCATT ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG 240
 80 CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTGTGAT CGCTCTGACT GGTGTCTCGA 300
 82 TCAATGATT CCGACCCTTC GTCGTCCG 328
 84 (2) INFORMATION FOR SEQ ID NO: 2:
 86 (i) SEQUENCE CHARACTERISTICS:
 87 (A) LENGTH: 328 base pairs
 88 (B) TYPE: nucleic acid
 89 (C) STRANDEDNESS: single
 90 (D) TOPOLOGY: linear
 92 (ii) MOLECULE TYPE: other nucleic acid
 93 (A) DESCRIPTION: /desc = "Synthetic DNA"
 95 (iii) HYPOTHETICAL: NO
 97 (iv) ANTI-SENSE: NO
 99 (vi) ORIGINAL SOURCE:
 100 (A) ORGANISM: Tomato aspermy virus
 102 (vii) IMMEDIATE SOURCE:
 103 (B) CLONE: pTAVd2b1
 107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 109 ACCGTTAACAGA AGAAGTAGAA TGTAAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA 60
 111 GTTGGAACCGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA 120
 113 GGAGCGGGGT CACAAAAGTC CAAGTGAACA AAGGCGATCG GAGTTATGGC ACGCGCGTCA 180
 115 AGTTGAACCTT TCTGCCATT ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG 240
 117 CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTGTGAT CGCTCTGACT GGTGTCTCGA 300
 119 TCAATGATT CCGACCCTTC GTCGTCCG 328
 121 (2) INFORMATION FOR SEQ ID NO: 3:
 123 (i) SEQUENCE CHARACTERISTICS:
 124 (A) LENGTH: 328 base pairs
 125 (B) TYPE: nucleic acid
 126 (C) STRANDEDNESS: single
 127 (D) TOPOLOGY: linear
 129 (ii) MOLECULE TYPE: other nucleic acid
 130 (A) DESCRIPTION: /desc = "Synthetic DNA"
 132 (iii) HYPOTHETICAL: NO
 134 (iv) ANTI-SENSE: NO
 136 (vi) ORIGINAL SOURCE:
 137 (A) ORGANISM: Tomato aspermy virus
 139 (vii) IMMEDIATE SOURCE:
 140 (B) CLONE: pTAVd2b2
 144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 146 ACCGTTAACAGA AGAAGTAGAA TGTAAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA 60
 148 GTTGGAACCGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA 120
 150 GGAGCGGGGT CACAAAAGTC CAAGTGAATA AAGGTGATCG GAGTTATGGC ACGCGCGTCA 180

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152	AGTTGAACCTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG	240
154	CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTGATCGACT CGCTCTGACT GGTGTCTCGA	300
156	TCAATGATTT CCGACCCTTC GTCTCGCC	328
158	(2) INFORMATION FOR SEQ ID NO: 4:	
160	(i) SEQUENCE CHARACTERISTICS:	
161	(A) LENGTH: 504 base pairs	
162	(B) TYPE: nucleic acid	
163	(C) STRANDEDNESS: single	
164	(D) TOPOLOGY: linear	
166	(ii) MOLECULE TYPE: DNA (genomic)	
168	(iii) HYPOTHETICAL: NO	
170	(iv) ANTI-SENSE: NO	
172	(vi) ORIGINAL SOURCE:	
173	(A) ORGANISM: Cucumber mosaic virus	
175	(vii) IMMEDIATE SOURCE:	
176	(B) CLONE: pCMV2b	
180	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
182	GATCCATGGA TGTGTTGACA GTAGTGGTGT CGACCGCCGA CCTCCACTTA GCCAATTGCG	60
184	AGGAGGTGAA ACGTCGAAGA CGAAGGTCTC ACgtcAGAAA CGGGCGAGCG AGGGGTTACA	120
186	AAAGTCCCAG CGAGAGAGCG CGATCTATAG CGAGACTTTT CCAGATGTTA CCATTCCACG	180
188	GAGTAGATCC CGTGGATTGG TTTCTGATG TCGTTGCTC TCCGTCGCTT ACCAGCCTTG	240
190	TTTCTTATGA ATCTTTGAT GATACTGATT GGTTGCTGG TAACGAATGG GCCGAAGGGT	300
192	CGTTTGATT TCCGACCCCTT CGTCGTCCGA AGACGTTAAA CTACGCTCTC TTTATTGCGA	360
194	GTGCTGAGTT GGTAGTTGC TCTAAACTAT CTGAAGTCGC TAAATCCATT ACTGGTTGCG	420
196	AACGGGTTGT CCATCCAGCT TACGGCTAAA ATGGTCAGTC ATGCCCAAA GGCATGCCGA	480
198	CACCTACAG GGTTGTCGAG GTAC	504

VERIFICATION SUMMARY**PATENT APPLICATION:** US/09/700,113**DATE:** 07/02/2002**TIME:** 13:49:21**Input Set :** N:\Crf3\RULE60\09700113.raw
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L:26 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:27 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]